

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09288997  
PUBLICATION DATE : 04-11-97

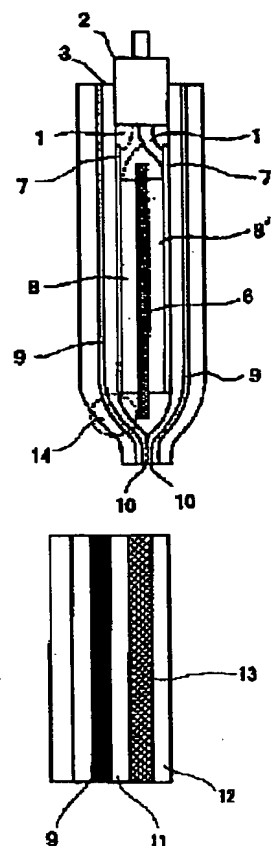
APPLICATION DATE : 23-04-96  
APPLICATION NUMBER : 08101357

APPLICANT : SUMITOMO ELECTRIC IND LTD;

INVENTOR : TANAKA KEIICHI;

INT.CL. : H01M 2/02 H01M 2/30 H01M 10/40

TITLE : SEALING BAG FOR NONAQUEOUS  
ELECTROLYTE BATTERY



ABSTRACT : PROBLEM TO BE SOLVED: To keep sealing reliability despite using at high temperature, by providing an insulating layer, excellent in an electrolyte barrier, between the heat sealing plastic layer of the innermost layer of a sealing bag and a metallic layer.

SOLUTION: A sealing bag 3 is manufactured by fusing the insulator 12 of the innermost layer on the inner side of the sealing bag, for housing positive and negative electrodes, a partitioning coat, and an electrolyte, and being contacted directly. The sealing bag and a lead wire are integrated, by fusing the insulator 12 of the sealing bag and the insulator 2 of the outermost layer of the lead wire; and the lead wire is drawn out outside, and while is connected to the positive and negative electrodes respectively in the inside of the sealing bag. Here, by providing an insulating layer 13, excellent in an electrolyte barrier, between the heat sealing plastic layer 12 of the innermost layer and the aluminium foil 9 of a metallic layer, the infiltration of an electrolyte, between the metallic layer 9 and the insulator of a metallic adhesive layer, can be restrained, to prevent peeling between the metallic layer and the metallic adhesive layer, thereby obtaining high airtightness, despite in a case where the sealing bag is retained at a high temperature of 85°C.

COPYRIGHT: (C)1997,JPO

BEST AVAILABLE COPY